

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Aref Jallouli et al.

Serial No.: 10/540,176

Filed: June 17, 2005

For: SPIROTETRATHIOCARBAMATES AND  
SPIROOXOTHIOCARBAMATES

Group Art Unit: 2872

Examiner: Unknown

Atty. Dkt. No.: ESSR:094US

**CERTIFICATE OF ELECTRONIC SUBMISSION**

DATE OF SUBMISSION: September 13, 2006

**INFORMATION DISCLOSURE STATEMENT**

**MS AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/ESSR:094US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



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Date: September 13, 2006

Form PTO-1449 (modified)		Atty. Docket No. ESSR:094US	Serial No. 10/540,176
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant Aref Jallouli et al.	
		Filing Date: June 17, 2005	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	3,525,752	08/25/70	D'Amico <i>et al.</i>	260	327	02/05/68
	A2	3,652,256	03/28/72	D'Amico	70	90	06/20/66
	A3	3,787,370	01/22/74	Shima <i>et al.</i>	260	75	03/14/72
	A4	4,810,812	03/07/89	Matsuda <i>et al.</i>	558	251	12/18/87
	A5	5,021,541	06/04/91	Masumoto <i>et al.</i>	528	196	02/15/90
	A6	5,403,938	04/04/95	Ohkubo <i>et al.</i>	549	22	06/08/93
	A7	6,794,471	09/21/04	Ohkuma <i>et al.</i>	526	256	09/24/01

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Language
	B1	EP 1193264	9/24/01	Europe	English
	B2	JP 05105684	4/27/93	Japan	Japanese (English Abstract)
	B3	WO 02/051911	12/20/01	WIPO	English
	B4	WO 02/057339	1/11/02	WIPO	English

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Barbero <i>et al.</i> , "Convenient procedure for converting 1,3-dithiolane-2-thiones into 1,3-dithiolan-2-ones," J. Chem Soc, Perkin Trans 1, pp. 289-294.
	C2	Coffen, "Transesterification of Orthothiocarbonates (1)," J. Heterocycl. Chem., 1970, 7, 201.
	C3	Moszner <i>et al.</i> , "Polymerization of cyclic monomers, 1 Radical polymerization of unsaturated spiro orthocarbonates," Macromol. Rapid Commun. 16, 667-672 (1995).

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)		Atty. Docket No. <b>ESSR:094US</b>	Serial No. <b>10/540,176</b>
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant <b>Aref Jallouli et al.</b>	
		Filing Date: <b>June 17, 2005</b>	Group: <b>Unknown</b>
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C4	Oremus <i>et al.</i> , "145. 1,3-Oxathiolan-Synthese: Spirocyclische, 1,3-Oxathiolane aus der Lewis-Säure-katalysierten Umsetzung von cyclischen trithiocarbonaten and Oxiranen," Helvetica Chimica Acta, Vol. 74 (1991)
	C5	Tagoshi and Endo, "Syntheses of Polyurethanes Containing a Spiroorthocarbonate Moiety in the Main Chain," Macromolecules 1989, 22, 3834-3838.
	C6	Takata and Endo, "A New Class of Polymerizable Sulfur Heterocycles. Cationic Ring-Opening Polymerization of Spiro Tetrathioorthocarbonate," Macromolecules 1988, 21, 2314.
	C7	Takata <i>et al.</i> , "Cationic Ring-Opening Polymerizations of Five-Membered Spiro Orthocarbonates: Unsubstituted and 2,8-Diaryl-1,4,6,9-tetraoxaspiro[4.4]nonanes," Macromolecules 25 (1992).

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